

JUN 05 2002

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION
(Use several sheets if necessary)

Docket Number (Optional)
BSA-007.01Application Number
09/503,438-10/072,475Applicant
John W. Babich et al.Filing Date
February 14, 2000Group Art Unit
1614 1652

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER		DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
CH	AA	EP 0 795 334 A2	09/17/97	Europe	—	—		
CH	AB	EP 0 642 799 A1	03/15/95	Europe	—	—		

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages Etc.)

CH	AC	Eckert-Lill et al., "Immobilized drugs: phenol and benzoic acid derivatives chemiadsorbed on silica. I. Preparation of chemiadsorbates," Abstract XP002901040, Acta Pharm. Jugosl., 38(4), pp. 373-379 (1988) <i>(Citing only)</i>
CH	AD	Anderson et al, "Development of a multienzyme reactor for dopamine synthesis: II. Reactor engineering and simulation," Abstract XP002901041, Biotechno. Bioeng. 40(3), pp. 388-395 (1992) <i>(Nighting only)</i>
CH	AE	Database WPI, JP 54 143588, Section Ch, Week 197951, Derwent Publications Ltd., London, GB, Abstract XP002901042 <i>(Abstract only)</i>
CH	AF	Database WPI, Section Ch., Week 199318, Derwent Publications Ltd, London, GB; class A96, AN 1993-149780; XP002901043; & JP 05 087811 A (Komica Corp), 6, April 1993. <i>(Abstract only)</i>
CH	AG	INTERNATIONAL SEARCH REPORT - <i>RECEIVED</i> JUN 10 2002 TECH CENTER 1600/2900

EXAMINER

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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

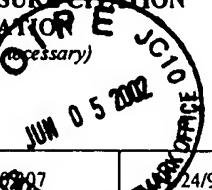
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Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Docket Number (Optional)		Application Number	
		BSA-007.01(20704-701)		09/503,438	
		Applicant Babich et al.		RECEIVED 10/07/2002	
Filing Date February 14, 2000		Group Art Unit +614 1652 JUN 10 2002			

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AH	4,883,666	11/28/89	Sabel et al.	424	422	04/29/87
AJ	5,189,064	02/23/93	Blum et al.	514	561	05/14/90
AJ	5,292,801	03/08/94	Avnir et al.	525	54.1	08/31/92
AK	5,300,564	04/05/94	Avnir et al.	525	54.1	01/08/91
AL	5,308,495	05/03/94	Avnir et al.	210	656	10/11/91
AM	5,371,018	12/06/94	Avnir et al	436	73	09/30/92
AN	5,405,990	04/11/95	Burke et al.	560	134	07/22/93
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				Applicant Babich et al.		RECEIVED 10/10/02, 473 JUN 10 2002	
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	BK	5,849,331	12/15/98	Ducheyne et al.		424	484
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	BV	Avnir et al.; "Enzymes and Other Proteins Entrapped in Sol-gel Materials", Chem. Mater. 6: 1605-1614 (1994)					
	BW	Bagshawe et al.; "A Cytotoxic Agent can be Generated Selectively at Cancer Sites", Br. J. Cancer 58: (6): 700-703 (1988)					
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	BZ	Bennett and Evans, "Alzheimer's Disease", Disease-a-Month pp. 1-64, (January 1992)					

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BSA-007.01(20704-701)Application Number
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CA	Blakey, et al.; "Anticancer Effects of an Antibody-Carboxypeptidase G2 Conjugate in Combination with Phenol Mustard Prodrugs", Br. J. Cancer, 72: (5): 1083-1088 (1995)
CB	Brannan et al.; "Effect of Long-term-L-dopa Administration on Striatal Extracellular Dopamine Release", Neurology 41: 596-598 (1991)
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CI	Caruso et al.; " Nanoengineering of Inorganic and Hybrid Hollow Spheres by Colloidal Templating ", Science 282: 1111-1113 (November 6, 1998)
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CN	Dave et al.; " Encapsulation of Proteins in Bulk and Thin Film Sol-Gel Matrices ", Journal of Sol-Gel Science and Technology 8: 629-634 (1997)
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CP	Denny and Wilson, " The Design of Selectively-Activated Anti-Cancer Prodrugs for Use in Antibody-Directed and Gene-Directed Enzyme-Produg Therapies ", J. Pharm. Pharmacol. 50: 387-394 (1998).
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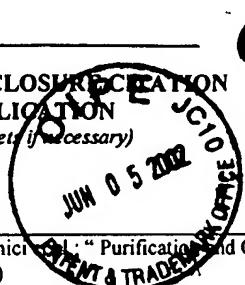
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<i>CS</i>	Dosoretz et al.; " Entrapment of Parathion Hydrolase from Pseudomonas Spp. In Sol-Gel Glass ", Journal of Sol-Gel Science and Technology 7: 7-11 (1996)
<i>CT</i>	Dowell et al.; " New Mustard Prodrugs for Antibody-Directed Enzyme Prodrug Therapy: Alternatives to the Amide Link ", J. Med. Chem. 39: 1100- 1105 (1996)
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<i>DD</i>	Glezer V. and Lev O. ; " Sol-Gel Vanadium Pentaoxide Glucose Biosensor ", J. Am. Chem. Soc. 115: 2533-2534, (1993)
<i>DE</i>	Haensler et al., "Activation of Methotrexate- α -Alanine by Carboxypeptidase A-Monoclonal Antibody Conjugate", Biochemistry, 31: (3): 891-897 (1992)
<i>DF</i>	Hayashi et al.; " Rat Liver Aromatic L-Amino Acid Decarboxylate: Spectroscopic and Kinetic Analysis of the Coenzyme and Reaction Intermediates", Biochemistry 32 (3): 812-818 , (1993)
<i>DG</i>	Hatayama et al.; " Immobilization of Urease on Composite Fibre By Using a Gel Formation of Cellulose Acetate and Titanium Iso-Propoxide ", Journal of Sol-Gel Science and Technology 7, : 13-17 (1996).
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<i>CPV</i>	DI	Huennekens M. ; " Tumor Targeting : Activation of Prodrugs by Enzyme-Monoclonal Antibody Conjugates ", TIBtech., 12: 234- 239 (June 1994)
	DJ	Jaeger K. and Reetz T. M. ; " Microbial Lipases Form Versatile Tools for Biotechnology ", TIBtech., 16 : 396- 403 (Sept. 1998)
	DK	Jain et al.; " Nanometer Silica Particles Encapsulating Active Compounds: a Novel Ceramic Drug Carrier ", J. Am. Chem. Soc. 120: 11092- 11095 (1998)
	DL	Ji, Q. et al.; " Sol-Gel - Encapsulated Heme Proteins. Evidence for CO ₂ Adducts ", J. Am. Chem. Soc. , 120: 221-222 (1998)
	DM	Jung J. M. ; " Substrates and Inhibitors of Aromatic amino Acid Decarboxylase ", Bioorganic Chemistry , 14:429-443 (1986)
	DN	Jungheim and Shepherd; " Design of Antitumor Prodrugs: Substrates of Antibody Targeted Enzymes ", Chem. Rev. 94: 1553-1566 (1994)
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Docket Number (Optional)
BSA-007.01(20704-701)Application Number
097503,438 10/073425Applicant
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	EJ	Pereira and Hench; " Mechanisms of Hydroxyapatite Formation on Porous Gel-Silica Substrates" , Journal of Sol-Gel Science and Technology, 7: 59-68 (1996)	
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IN AN APPLICATION
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CP	FH	Docket Number (Optional) BSA-007.01(20704-701)	
		Applicant Babich et al.	Filing Date February 14, 2000
	FI	Voltattorn et al. ; " Aromatic-L-Amino Acid Decarboxylase from Pig Kidney", Methods in Enzymology, 142: 179-187, (1987)	
	FJ	Wambolt and Saavedra, " Iodide Fluorescence Quenching of Sol-Gel Immobilized BSA", Journal of Sol-Gel Science and Technology, & : 53-57, (1996)	
	FK	Wetall et al.; " Bacteriorhodopsin Immobilized in Sol-Gel Glass", Biochimica et Biophysica Acta 142: 211-213, (1993),	
	FL	Winder J. Alison ; " A Stopped Spectrophotometric Assay for the Dopa Oxidase Activity of Tyrosinase", J. Biochem. Biophys. Methods, 28: 173-183 (1994).	
	FM	Wu, et al.; " Bacteriorhodopsin Encapsulated in Transparent Sol-Gel Glass: A New Biomaterial", Chem. Mater 5: 115-120, (1993).	
	FN	Yahr D. Melvin; " Parkinson's Disease the L-Dopa Era", Advances in Neurology, 60: pp. 11-17, (1993)	
	FO	Yamanaka et al.; " Nicotinamide Adenine Dinucleotide Phosphate Fluorescence and Absorption Monitoring of Enzymatic Activity in Silicate Sol-Gel for Chemical Sensing Applications ", J. Am. Chem. Soc. 117: 9095-9096, (1995)	
	FP	Yamanaka et al. ;" Enzymatic Activity of Glucose Oxidase Encapsulated in Transparent Glass by the Sol-Gel Method", Chemistry of Materials, 4(3): 495-496, (May/June, 1992).	
	FQ	Yamanaka et al.; " Enzymatic Activity of Oxalate Oxidase and Kinetic Measurements by Optical Methods in Transparent Sol-Gel Monoliths ", Journal of Sol-Gel Science and Technology , 7: 117-121, (1996).	
	FR	Yang et al.; " Generalized Syntheses of Large -Pore Mesoporous Metal Oxides With Semicrystalline Frameworks", Nature, 396: 152-155, (November 12, 1998).	
	FS	Zheng et al.;" Measurement of Fluorescence from Tryptophan to Probe the Environment and Reaction Kinetics within Protein-Doped Sol-Gel-Derived Glass Monoliths", Anal. Chem. 69: 3940-3949, (1997)	
CP	FT	Zink et al.; " Biomolecular Materials Based on Sol-Gel Encapsulated Proteins", New J. Chem. 18: 1109- 1115, (1994)	
EXAMINER	<i>CP</i> C. M. Meltzer		DATE CONSIDERED 7/10/02

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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